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New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus changes

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Pharmaccutical Substances (PS) now available on STN

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MEDLINE STREE Web Page URLs for STN Seminar Schedule - N. America "Ask CAS" for self-help around the clock Source of Registration (SR) information in REGISTRY updated and searchable A new search aid, the Company Name Thesaurus, available in CA/CAplus German (DE) application and patent publication number format EXTEND option available in structure searching POINMER FIGURE FOR THE FORTH COMMAND COMPLETED IN REGISTRY FREUL now available on STN STN User Update to be held June 7 and June 8 at the SLA 2004 Conference Caping super roles and document types searchable in REGISTRY Explore APOLLIT with free connect time in June 2004 LITALERT now available on STN
NLDB: New search and display fields available
PROUSDDR now available on STN
PROUSDDR: One FREE connect hour, per account, in both May
and June 2004 MARCH 31 CURRENT WINDOWS VERSION IS V7.004, CURRENT MACINTOSH VERSION IS V6.0C(ENG) AND V6.03C(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004 STN Operating Hours Plus Help Desk Availability General Internet Information Welcome Banner and News Items Welcome Wanner and News Items Confunciation Network Access to STN CAS World Wide Web Site (general information) FEB 05 MARR 03 MARR 03 MARR 29 MARR 29 MARR 29 APR 26 APR 26 APR 27 MARY 10 MARY 12 MARY 13 M NEWS 22 May 27 May 27 May 27 NEWS 4 JAN 27 3 JAN 27 NEWS EXPRESS NEWS 5 NEWS 8 NEWS 9 NEWS 10 NEWS 11 NEWS 12 NEWS 12 NEWS 14 NEWS 15 NEWS 16 NEWS 17 23 18 20 21 NEWS NEWS NEWS NEWS NEWS NEWS

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* * * * * * * * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:49:01 ON 01 JUN 2004

TOTAL SESSION 0.21 SINCE FILE ENTRY => file registry cost in U.S. DOLLARS FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 31 MAY 2004 HIGHEST RN 688001-12-9 DICTIONARY FILE UPDATES: 31 MAY 2004 HIGHEST RN 688001-12-9

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP RNOP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSs/registryss.html

=> S 660-88-8/RN L1 1 660-88-8/RN

=> DIS L1 1 SQIDE

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON STN 660-88-8 REGISTRY L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON S RN 660-88-8 REGISTRY CN Pentanoic acid, 5-amino- (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES: OTHER CA INDEX NAMES: OTHER NAMES:

8-Amino-n-valeric acid 8-Aminopentanoic acid

8-Aminovaleric acid

w-Aminopentanoic acid
o-Aminovaleric acid
5-Aminopentanoic acid
5-Aminopentanoic acid
5-Aminopentanoic acid
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NSC 58383
NSC 73123
50 CONCORD
COM 11 N 02
CM 11 N 02
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CM 11 N 02
CM 11 N 02

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SIN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLI, CAOLD, CANLOS, CARRACT, CHEMCATS, CHEMLIST,
CSCHEM, DETHERM*, EMBESE, GMELIN*, HODOC*, IFICOB, IFIDAT, IFIUDB,
MEDLINE, SPECINCO, TOXCENTER, USPATZ, USPATFULL

(File contains numerically searchable property data)

Other Sources:
(**Enter CHEMLIST File for up-to-date regulatory information)

(**Enter CHEMLIST File for up-to-date regulatory information)

A CAPIUS document type: Conference; Dissertation; Journal; Patent; Report

Roles from patents: ANST (Analytical study); BIOL (Biological study);

OMBI (Combinatorial study); FORM (Formation, nompreparative); PREP

(Preparation); PROC (Process); RACT (Reactant or reagent); USES (USES); 7.78 2.79

Roles for non-specific derivatives from patents: ANST (Analytical study); BLO. (Biological study); PRP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (USES) (USES); RACT (Reactant or reagent); USES (USES); ROCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (USES); NORL (No role in record) record) respectfic derivatives from non-patents: BIOL (Biological study); FORM (Formation), nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (USES) RLD.NP RLD.P RL.NP

H2N- (CH2)4-- CO2H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

890 REFERENCES IN FILE CA (1907 TO DATE)
30 REFERENCES TO NON-SPECIFIC DEGLYATIVES IN FILE CA
891 REFERENCES IN FILE CAPLUS (1907 TO DATE)
24 REFERENCES IN FILE CADLD (PRIOR TO 1967)

S 305-62-4/RN 1 305-62-4/RN

DIS L2 1 SQIDE î L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON STN RN 305-62-4 REGISTRY COPYRIGHT 2004 ACS ON STN CN BULDIOL acid, 2,4-diamino- (9CI) (CA INDEX NAME) OTHER CA INDEX NAME) CN BULDIOL acid, 2,4-diamino- (6CI, 8CI) (CN CN-2,4-Diaminobutyric acid CN 2,4-Diaminobutyric acid CN DL-2,4-Diaminobutyric acid CN DL-3,4-Diaminobutyric acid CN SIN Files Acricola, Ancres ITT CAND CARDER TRANSFIRE ACRICOLA, ANCRES TRANSFIRE ACRICOLA, ANCRES TRANSFIRE ACRICOLA, ANCRES TRANSFIRE TRANSFIRE ACRICOLA, ANCRES TRANSFIRE TRANSFIRE ACRICOLA, ANCRES TRANSFIRE TRANSFIRE TRANSFIRE ACRICOLA, ANCRES TRANSFIRE TR

PT. CA RL.NP RLD.P

reagent); USES (USes); NORL (No role in record)
Roles for non-specific derivatives from non-patents: ANST (Analytical Study); BIOL (Biological Study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PREP (Properties); RACT (Reactant or RLD.NP

H2N-CH2-CH2-CH-C02H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

472 REFERENCES IN FILE CA (1907 TO DATE)
50 REFERENCES TO NON-SPECIFIC DEREVATIVES IN FILE CA
52 REFERENCES IN FILE CAPLUS (1907 TO DATE)
43 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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SINCE FILE ENTRY 4.80 STN INTERNATIONAL LOGOFF AT 15:50:59 ON 01 JUN 2004 COST IN U.S. DOLLARS FULL ESTIMATED COST

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5 FEB 05 NEWS

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NLDB: New search and display fields available
PROUSDOR now available on STN
PROUSDOR: One FREE connect hour, per account, in both May
and June 2004
EXTEND option available in structure searching
Polymer links for the POLYLINK command completed in REGISTRY
FRFULL now available on STN
STN User Update to be held June 7 and June 8 at the SLA 2004 FRANCEPAT now available on STN
Pharmaceutical Substances (FS) now available on STN
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New monthly current-awareness alert (SDI) frequency in RAPRA
PROWI: New display field available
IFFPAT/IFIUDB/IFICDB: New super search and display field MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0C(ENG) AND V6.03C(JP), MACINTOSH VERSION IS V6.0C(ENG) AND V6.03C(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004 STN OPERATING HOURS Plus Help Desk Availability General Internet Information Banner and News Items Welcome Banner and News Items Welcome Total and Telecommunication Network Access to STN CAS World wide web Site (general information) Enter NEWS followed by the item number or name to see news on that specific topic. APR 26 APR 27 May 10 May 12 May 12 May 17 May 27 May 27 May 27 May 27 03 26 26 26 26 MAR MAR MAR APR NEWS EXPRESS NEWS LOGIN NEWS PHONE NEWS WWW NEWS HOURS NEWS INTER NEWS 23 NEWS 24 NEWS 8 NEWS 10 NEWS 11 NEWS 12 NEWS 12 NEWS 13 NEWS 18 NEWS 19 NEWS 20 NEWS 21 NEWS 22 NEWS 14 NEWS 15 NEWS 16 NEWS 17

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TOTAL SESSION 0.21

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31 MAY 2004 HIGHEST RN 688001-12-9 31 MAY 2004 HIGHEST RN 688001-12-9 STRUCTURE FILE UPDATES: DICTIONARY FILE UPDATES:

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ISCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details. Experimental and calculated property data are now available. For more

CONTRIBUTE OF STANDARD STR, BELISTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREAT, CHEMCATS, CHEMLIST,
CSCHEM, DETHERM*, EMBASE, GMELIN*, HODOC*, IFICOB, IFIPAT, IFIUDB,
CSCHEM, DETHERM*, EMBASE, GMELIN*, HODOC*, IFICOB, IFIPAT, IFIUDB,
(*File contains numerically searchable property data)

Other Sources: EINECS**

(*FILE CHEMLIST FILE for up-to-date regulatory information)

OTHER SOURCES: EINECS**

(*FILE CHEMLIST FILE for up-to-date regulatory information)

DT.CA CAPIUS document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical Study); BIOL (Biological Study);

(RDP PATATION); PROC (Process); RACT (Reactant or reagent); USES (USES);

NORL (No role in record)

Study); BIOL (Biological Study); PREP (Preparation); PRP (Properties);

RL.NP Roles from non-patents: ANST (Analytical Study); BIOL (Biological Study); PROC (Process); RACT (Reactant or reagent); USES (USES);

RL.NP Roles from non-patents: ANST (Analytical Study); BIOL (Biological Study); PROC (Process); RACT (Reactant or reagent); USES (USES);

RL.NP Roles from non-patents: ANST (Analytical Study); BIOL (Biological Study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); RRP (Properties); RACT (Reactant or radgent); USES (USES);

RLD.NP ROLES from non-patenties); RACT (Reparation); PROC (Process); PREP (Preparation); PREP (Preparation); PREP (Properties); PREP (Preparation); PREP (PROPERTIES); RACT (Reactant or reagent); USES) information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at. http://www.cas.org/onLINE/DBSS/registryss.html L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN RN 660-888 REGISTRY
CN Pertanoic acid, 5-amino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
OTHER CA MARES: => S L1 EXA SAM SAMPLE SEARCH INITIATED 15:59:11 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE **COMPLETE** **COMPLETE** 1 TO 81 1 TO 8 1 ITERATIONS ONLINE 1 SEA EXA SAM L1 o-Aminovaleric acid 5-Aminon-valeric acid 5-Aminopentanoic acid 5-Aminovaleric acid DAVA NSC 58383 NSC 53123 30 CONCORD CS H11 N O2 CM Files: AGRICOLA, A 8-Amino-n-valeric acid δ-Aminopentanoic acid δ-Aminovaleric acid ∞-Aminopentanoic acid FULL FILE PROJECTIONS: STRUCTURE CREATED 100.0% PROCESSED SEARCH TIME: 00.00.01 PROJECTED ITERATIONS: PROJECTED ANSWERS: => STR 660-88-8 => DIS L2 1 7. 2. ч. RLD.NP RLD.P RL.NP 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7

H2N- (CH2)4-CO2H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

890 REFERENCES IN FILE CA (1907 TO DATE)
30 REFERENCES TO NON-SPECIFIC DEREVATIVES IN FILE CA
891 REFERENCES IN FILE CAPLUS (1907 TO DATE)
24 REFERENCES IN FILE CADLD (PRIOR TO 1967)

DIS L2 1 IDE

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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON STN RN 660-88-8 REGISTRY
CN Pentanocatid, 5-amino- (9CT) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Valeric acid, 5-amino- (8CT)
OTHER NAMES:
CN 6-Aminopentanoic acid
CN 5-Aminopentanoic acid
CN 6-Aminopentanoic acid
CN 6-Ami

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ELOSTA GRICOLA, ANABSTR, BELLSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERITI, CAOLD, CAPLUS, CARREAT, CHEMCATS, CHEMLIST,
CSCHEM, DEFHERM*, EMBASE, GMELLN*, HODOC*, IFICOB, IFIPAT, IFILUDB,
MEDLINE, SPECINFO, TOXCKNIER, USPATFOLL

(*File contrains numerically searchable property data)

OTHER SOURCES: EINECS**

(*FERTER CHEMIST File for up-to-date regulatory information)

DI.CA CAPLUS document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical Study); BIOL (Biological Study);

(RL.P Roles from patents); PROM (Formation, nonpreparative); PREP;

(Preparation); PROC (Process); RAT (Reactant or reagent); USES (Uses);

NORL (No role in record)

RL.N Roles from non-specific derivatives from patents: ANST (Analytical Study); BIOL (Biological Study); PREP (Preparation); PROC (Process); RRC (Reactant or reagent); USES (Uses);

RL.N Roles from non-patents: ANST (Analytical Study); BIOL (Biological Study); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);

RL.N Roles from non-patents: ANST (Analytical Study); BIOL (Biological Study); PROM (Formation, nonpreparative); PRC (Properties); RACT (Reactant or reagent); USES (Uses);

RL.N Roles from non-patents: BIOL (Biological Study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); RRP (Properties); RACT (Reactant or reagent); PREP (Preparation); PREP (Properties); RACT (Reactant or reagent); PREP (Process); RRP (Properties); RACT (Reactant or reagent); PREP (Process); RRP (Properties); RACT (Reactant or reagent); PREP (Process); RRP (PROCESS); PT.G

RLD.P RL.NP RLD.NP

H2N-(CH2)4-C02H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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STR 305-62-4

STRUCTURE CREATED

⇒ S L3 EXA SAM SAMPLE SARCH INITIATED 16:00:20 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

0 ITERATIONS

100.0% PROCESSED SEARCH TIME: 00.00.01

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STRUCTURE CREATED => STR 305-62-4 :END L5 STRUCTURE CR

=> S LS EXA FUL FULL SEARCH INITIATED 16:00:46 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 45 TO ITERATE

100.0% PROCESSED 45 ITERATIONS SEARCH TIME: 00.00.01

20 ANSWERS

2 20 SEA EXA FUL **-**1

=> DIS L6 1

L6 ANSWER 1 OF 20 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 403838-31-3 REGISTRY
N BUTANDIC-4-1IC acid, 2,4-diamino-, (2R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C4 H10 N2 O2
RS CA
LC STN Files: CA, CAPLUS, CASREACT
LC STN Files Gocument type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry,

/NH2

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L6 2

ANSWER 2 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN 196099-17-9 REGISTRY R 6

CN Butanoic-4-13C acid, 2,4-diamino-, (S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C4 H10 N2 02
SR CA
LC STA Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L6 3

L6 ANSWER 3 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN
RN 196099-L6-8 REGISTRY
CN BUTANOIC-4-11C acid, 2,4-diamino-, (25)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN BUTANOIC-4-11C acid, 2,4-diamino-, (5)ES STEREOSEARCH
FS STEREOSEARCH
MF CA H10 N2 O2
SS CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process); USES (USES)

Absolute stereochemistry.

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L6 4

L6 ANSWER 4 OF 20 REGISTRY
RN 19475-54-2
REGISTRY
CN Buttanoic acid, 2-amino-4-(amino-15N)- (9CI) (CA INDEX NAME)
F5 3D CONCORD
RF CA HIO N2 O2
R CA
SR CA
CIS FILLS: CA, CAPLUS
DI.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

15NH2-- CH2-- CH2-- CH2-- CO2H

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L6 5

L6 ANSWER 5 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN
RN 18376-05-8 REGISTRY
CN BULTANDIC-3-13C acid, 2,4-diamino-, (S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C4 H10 N2 02
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
DT.CA CAplus accument type: Patent
RL-P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (USES)

Absolute stereochemistry.

102C 513₁₂ NH2

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> LOG Y

COST IN U.S. DOLLARS SINCE FILE ENTRY FULL ESTIMATED COST 67.16

TOTAL SESSION 67.37

STN INTERNATIONAL LOGOFF AT 16:02:28 ON 01 JUN 2004

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New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
                                                                                                                                                              MEDILINE and LMEDLINE reloaded
MEDLINE file segment of TOXENTER reloaded
MEDLINE file segment of TOXENTER reloaded
FRANCEPAT now available on STN
WPIFV now available on STN
NOW MONTHY CURTENT-AWARTERS Alert (SDI) frequency in RAPRA
PROWT: New display field available
IETPATIFIUDB/IFICDB: New super search and display field
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Source of Registration (SR) information in REGISTRY updated
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we search aid, the Company Name Thesaurus, available in
A/Oxplus
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NLOB: New search and display fields available
REVOISDER now available on STN
PROVISDER: One FREE connect hour, per account, in both May
and June 2004
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AND CURRENT DISCOVER FILE 12 DATED 26 APRIL 2004
SIN Operating Hours Plus Help Desk Availability General Internet Information
Welcome Banner and News Items
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HIGHEST RN 688308-86-3 HIGHEST RN 688308-86-3 1 JUN 2004 1 JUN 2004 STRUCTURE FILE UPDATES: DICTIONARY FILE UPDATES:

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

See HELP CROSSOVER for details. Crossover limits have been increased.

Experimental and calculated property data are now available. For more information enter HELP RNOP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

```
4 25
EP982403/PN
EP982404/PN
--> EP9835702/PN
    W09503413/PN
W09514772/PN
0 --> W09835702/PN
W09933993/PN
                                                                                                                          EP985729, PN
EP988312/PN
EP988312/PN
EP988126/PN
EP9881185/PN
EP996663/PN
EP990563/PN
EP9905881/PN
EP990588/PN
EP99188/PN
EP994189/PN
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                                                                                            W09946300/PN
W09946364/PN
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